

Product datasheet for **RG207237**

ZPBP2 (NM_198844) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZPBP2 (NM_198844) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZPBP2
Synonyms:	ZPBPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207237 representing NM_198844 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCGAACGTGCGTCCTACTCTCCGCGGTGCTCTGGTGCCTCACAGGAGACAAAATATATGTAGAGT
TACATCAAAATAGTCCAGTCCTTATCTGTATGGATTTTAAAGCTTCTAAAAAAGAAATAGTGGACCCAC
CTACTTATGGATTGGCCTAATGAAAAGACGTTAACAGGAAATAATAGAATAAATAAAGTAACTGAACTGGA
CAGCTGATGGTGAAGATTTTTGGAGCCTTTGTCTGGACTTTACACATGACTCTTTCTATAAGACTG
TTAAAGCAGAACTCAAGAAGAAAAACAGTCAAAAAGAGATATGACTTTATGGTCTTTCCTATCGGGA
ACCTGATTATTCATATCAGATGGCTGTACGTTTTACCACAAGGCTTGTATAGGGAGATACAATGATGTA
TTCTTTAGAGTGCTGAAGAAAATCTGGATAGTCTAATTTCTGATTTGTCATGCCATGTCATAGAGCCAT
CATATAAATGCCATTCTGTTGAAATTCAGAACATGGCCTCATACATGAGCTATTTATAGCATTTCAAGT
TAATCCTTTTGCGCCGGGTGGAAGGTGCTTGAATGGATCTGTTGACTGTGAAGATACCACTAATCAT
AATATCCTCCAGGCAAGAGATCGAATAGAAGACTTTTTTCGGAGCCAAGCATATATTTTCTACCATAACT
TTAATAAACTCTACCAGCAATGCATTTTGTGGACCACAGTTTGAAGTAGTACGCTGGATAGCTGTCG
ACCAGGCTTTGGAAAAATGAACGTCTACACAGTAATTGCGCTAGCTGTTGTGTGGTTTGTAGTCTGCG
ACTTTTAGTCCTGATGTTAATGTAACCTGTCAGACCTGCGTTCCGTCCTTACCTATGGAGCTAAATCTT
GCCCAAACTTCAACAAAAATCAGCAATATGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207237 representing NM_198844
Red=Cloning site Green=Tags(s)

```
MMRTCVLLSAVLWCLTGDKIYVELHQNSPVLICMDFKLSKKEIVDPTYLWIGPNEKTLTGNNRINITETG
QLMVKDFLEPLSGLYCTL SYKTVKAETQEETVKKRYDFMVFAYREPDYSYQMAVRFTTRSCIGRYNDV
FFRVLKKILDSLISDLSCHVIEPSYKCHSVEIPEHGLIHELFI AFQVNPFPAGWKGACNGSVDCEDTTNH
NILQARDRIEDFFRSQAYIFYHNFNKTLPAMHFVDHSLQVVRLLDSCRPGFGKNERLHSNCASCCVVCSPA
TFSPDVNVTCQTCVSVLTYGAKSCPQTSNKNQQYED
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198844

ORF Size: 948 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_198844.3](#)

RefSeq Size: 2205 bp

RefSeq ORF: 951 bp

Locus ID: 124626

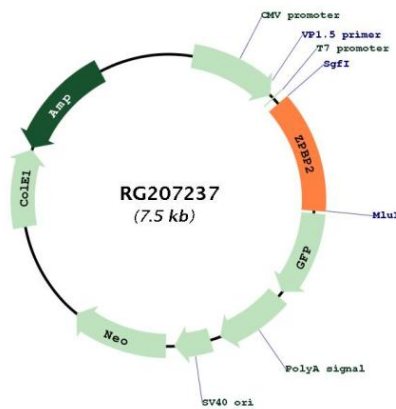
UniProt ID: [Q6X784](#)

Cytogenetics: 17q21.1

Protein Families: Secreted Protein

Gene Summary: Is implicated in sperm-oocyte interaction during fertilization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207237